

09/64/101

Powered by Dialog



**Basic Patent (Number,Kind,Date):** WO 9961823 A1 19991202

**Patent Family:**

| Patent Number     | Kind | Date     | Application Number | Kind | Date             |
|-------------------|------|----------|--------------------|------|------------------|
| AU 9937662        | A1   | 19991213 | AU 9937662         | A    | 19990428         |
| <u>US 6039304</u> | A    | 20000321 | US 84698           | A    | 19980526         |
| WO 9961823        | A1   | 19991202 | WO 99US9138        | A    | 19990428 (Basic) |

**Priority Data:**

| Patent Number | Kind | Date     |
|---------------|------|----------|
| US 84698      | A    | 19980526 |
| WO 99US9138 W |      | 19990428 |

**PATENT FAMILY:**

**Australia (AU)**

Patent (Number,Kind,Date): AU 9937662 A1 19991213

BALL VALVE WITH MODIFIED CHARACTERISTICS (English)

Patent Assignee: BELIMO AIR CONTROL USA INC; CARLSON BENGT A; BUCK WERNER

A

Author (Inventor): CARLSON BENGT A; BUCK WERNER A

Priority (Number,Kind,Date): US 84698 A 19980526; WO 99US9138 W 19990428

Applic (Number,Kind,Date): AU 9937662 A 19990428

IPC: \* F16K-005/12

Derwent WPI Acc No: \* G 2000-072651

Language of Document: English

**United States of America (US)**

Patent (Number,Kind,Date): US 6039304 A 20000321

BALL VALVE WITH MODIFIED CHARACTERISTICS (English)

Patent Assignee: BELIMO AIR CONTROL USA INC (US)

Author (Inventor): CARLSON BENGT A (US); BUCK WERNER A (US)

Priority (Number,Kind,Date): US 84698 A 19980526

Applic (Number,Kind,Date): US 84698 A 19980526

National Class: \* 251209000; 251118000

IPC: \* F16K-005/10

Derwent WPI Acc No: \* G 2000-072651

Language of Document: English

**United States of America (US) - Legal Status**

| Number     | Type | Date     | Code       | Text                         |                          |
|------------|------|----------|------------|------------------------------|--------------------------|
| US 6039304 | P    | 19980526 | US AE      | APPLICATION DATA<br>(PATENT) | (APPL. DATA<br>(PATENT)) |
|            |      |          | US 84698 A | 19980526                     |                          |
| US 6039304 | P    | 20000321 | US A       | PATENT                       |                          |
| US 6039304 | P    | 20001003 | US RF      | REISSUE APPLICATION<br>FILED | (REISSUE APPL.<br>FILED) |
|            |      |          |            | 20000817                     |                          |

**World Intellectual Property Organization, PCT (WO)**

Patent (Number,Kind,Date): WO 9961823 A1 19991202  
 BALL VALVE WITH MODIFIED CHARACTERISTICS (English)  
 Patent Assignee: BELIMO AIR CONTROL USA INC (US); CARLSON BENGT A (US); BUCK WERNER A (US)  
 Author (Inventor): CARLSON BENGT A (US); BUCK WERNER A (US)  
 Priority (Number,Kind,Date): US 84698 A 19980526  
 Applic (Number,Kind,Date): WO 99US9138 A 19990428  
 Designated States: (National) AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CU; CZ; DE; DK; EE; ES; FI; GB; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; UA; UG; US; UZ; VN; YU; ZW (Regional) GH; GM; KE; LS; MW; SD; SL; SZ; UG; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG  
 Filing Details: WO 100000 With international search report  
 IPC: \* F16K-005/12  
 Derwent WPI Acc No: ; G 2000-072651  
 Language of Document: English

**World Intellectual Property Organization, PCT (WO) - Legal Status**

| Number     | Type | Date     | Code       | Text   |   |
|------------|------|----------|------------|--|---|
| WO 9961823 | P    | 19980526 | WO AA      | PRIORITY (PATENT)<br>US 84698 A 19980526   |   |
| WO 9961823 | P    | 19990428 | WO AE      | APPLICATION DATA<br>WO 99US9138 A 19990428   | (APPL.DATA)   |
| WO 9961823 | P    | 19991202 | WO AK      | DESIGNATED STATES CITED IN A<br>PUBLISHED APPLICATION WITH<br>SEARCH REPORT  | (DESIGNATED<br>STATES CITED I<br>PUBLISHED APP<br>WITH SEARCH<br>REPORT)                              |
|            |      |          |            | AL AM AT AU AZ BA BB BG BR BY<br>CA CH CN CU CZ DE DK EE ES FI<br>GB GE GH GM HR HU ID IL IN IS JP<br>KE KG KP KR KZ LC LK LR LS LT<br>LU LV MD MG MK MN MW MX NO<br>NZ PL PT RO RU SD SE SG SI SK SL<br>TJ TM TR TT UA UG US UZ VN YU<br>ZW |   |
| WO 9961823 | P    | 19991202 | WO AL      | DESIGNATED COUNTRIES FOR<br>REGIONAL PATENTS CITED IN A<br>PUBLISHED APPLICATION WITH<br>SEARCH REPORT   | (DESIGNATED<br>COUNTRIES FOR<br>REGIONALPATE<br>CITED IN A<br>PUBLISHED APP<br>WITH SEARCH<br>REPORT) |
|            |      |          |            | GH GM KE LS MW SDSL SZ UG ZW<br>AM AZ BY KG KZ MD RU TJ TM AT<br>BE CH CY DE DK ES FI FR GB GR<br>IE IT LU MC NL PT SE BF BJ CF CG<br>CI CM GA GN GW ML MR NE SN<br>TD TG  |   |
| WO 9961823 | P    | 19991202 | WO A1      | PUBLICATION OF THE<br>INTERNATIONAL APPLICATION<br>WITH THE INTERNATIONAL<br>SEARCH REPORT   | (PUB. OF THE<br>INTERNATIONA<br>APPL. WITH THE<br>INTERNATIONA<br>SEARCH REPORT                       |
| WO 9961823 | P    | 20000126 | WO 121     | EP: PCT APP. ART. 158 (1)  | (EP: PCT ANM. A<br>158 (1))   |
| WO 9961823 | P    | 20000316 | WO<br>DFPE | REQUEST FOR PRELIMINARY<br>EXAMINATION FILED PRIOR TO<br>EXPIRATION OF 19TH MONTH<br>FROM PRIORITY DATE  |   |

INPADOC/Family and Legal Status

© 2000 European Patent Office. All rights reserved.

Dialog® File Number 345 Accession Number 15557329 WO 9961823\_A1\_19991202" **Basic Patent**  
(Number,Kind,Date): WO 9961823 A1 19991202 "

LEXIS SEARCH RESULTS:

LEVEL 1 - 1 OF 1 PATENT

<6,039,304>

<=> GET 1st DRAWING SHEET OF 3

Mar. 21, 2000

Ball valve with modified characteristics

REISSUE: Reissue Application filed Aug. 17, 2000 (O.G. Oct. 3, 2000) Ex. Gp.:  
3753; Re. S.N. 09/641,101

CORE TERMS: valve, disk, ball, fluid, plug, port, seat, ring, passageway,  
retaining...

>>>

[SEARCH STATEMENT]: 6,039,304 OR 6039304

Your search request has found no [law] CASES.

Your search request has found no [law journal] ITEMS.

Your search request has found no [current news] STORIES.

LEXIS SEARCH RESULTS:

LEVEL 1 - 1 OF 1 PATENT

<6,039,304>

<=> GET 1st DRAWING SHEET OF 3

Mar. 21, 2000

Ball valve with modified characteristics

REISSUE: Reissue Application filed Aug. 17, 2000 (O.G. Oct. 3, 2000) Ex. Gp.:  
3753; Re. S.N. 09/641,101

CORE TERMS: valve, disk, ball, fluid, plug, port, seat, ring, passageway,  
retaining...

>>>

[SEARCH STATEMENT]: 6,039,304 OR 6039304

Your search request has found no [law] CASES.

Your search request has found no [law journal] ITEMS.

Your search request has found no [current news] STORIES.

QUESTEL SEARCH RESULTS:

Search statement 1: us6039304/pn

Term not in index/PN-CRXX : US6039304 [CLAIMS, REEXAMINATION INFORMATION]  
Term not in index/PN-LITA : US6039304 [LITIGATION ALERT]

|      |   |                 |
|------|---|-----------------|
| LGST | 1 | [LEGAL STATUS]  |
| CRXX | 0 |                 |
| PAST | 1 | [PATENT STATUS] |
| LITA | 0 |                 |

\*\* SS 1 : Results 2

1/2 LGST (1/1) - (C) LEGSTAT

PN - US 6039304 [US6039304]  
AP - US 84698/98 19980526 [1998US-0084698]  
DT - US-P  
ACT - 19980526 US/AE-A  
APPLICATION DATA (PATENT)  
{US 84698/98 19980526 [1998US-0084698]]  
- 20000321 US/A  
PATENT  
- 20001003 US/RF  
REISSUE APPLICATION FILED  
20000817  
UP - 2000-40

2/2 PAST (1/1) - (C) PAST

AN - 200040-000926  
PN - 6039304 A [US6039304]  
DT - A (UTILITY)  
OG - 2000-10-03  
CO - REA  
ACT - REISSUE APPLICATION FILED  
SH - REISSUE APPLICATION FILED